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Louis F. Wagner

### IN THE UNITED STATES PATENT & TRADEMARK OFFICE

<i>Applicant:</i>	Jackway et al.	<i>Examiner:</i>	Unknown
<i>Serial #:</i>	09/944,838	<i>Art Unit:</i>	2621
<i>Filing Date:</i>	31 August 2001	<i>Date:</i>	04 December 2001
<i>Title:</i>	Method for Image Texture Analysis		

Assistant Commissioner for Patents  
Washington, D.C. 20231

#### Amendment A

This amendment is in response to the Notice to File Corrected Application Papers, Filing Date Granted, dated 05 October 2001. Please amend the application as follows.

#### *In the Drawings*

Please replace 8 sheets of informal drawings, namely FIGS. 1-9 with newly submitted 8 sheets of formal drawings, FIGS. 1-9. No new matter is contained in the newly submitted formal drawings.

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***In the Specification***

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On page 5, delete line 14 and insert the following:

- FIG 4 shows an example of the application of the method to an image;
- FIG 4a shows a 50x50 pixel gray level image;
- FIG 4b is a binary image produced by thresholding the image of FIG 4a;
- FIG 4c is the image produced by opening the image of FIG 4b with a disc shaped structuring element of radius 1;
- FIG 4d is the image produced by opening the image of FIG 4c with a disc shaped structuring element of radius 2;
- FIG 4e is a binary image produced by thresholding the image of FIG 4a using a different threshold from that used to produce the image of FIG 4b;
- FIG 4f is the image produced by opening the image of FIG 4e with a disc shaped structuring element of radius 1;
- FIG 4g is the image produced by opening the image of FIG 4f with a disc shaped structuring element of radius 2; --

On page 5, delete lines 18-23 and insert

- FIGS 6a shows a gray level image in a first example of the application of the method to the characterisation of ammonium sulphate pellets;
- FIG 6b is a plot of a granold surface produced by thresholding the image of FIG 6a;
- FIG 6c is a granold spectrum corresponding to the granold surface of FIG 6b;
- FIG 6d is a threshold/radius location of the maximum value of the granold surface of FIG 6b;
- FIG 7a shows a gray level image in a second example of the application of the method to the characterisation of ammonium sulphate pellets;
- FIG 7b is a plot of a granold surface produced by thresholding the image of FIG 7a;
- FIG 7c is a granold spectrum corresponding to the granold surface of FIG 7b;
- FIG 7d is a threshold/radius location of the maximum value of the granold surface

of FIG 7b;

FIG 8a shows a gray level image in a third example of the application of the method to the characterisation of ammonium sulphate pellets;

FIG 8b is a plot of a granold surface produced by thresholding the image of FIG 8a;

FIG 8c is a granold spectrum corresponding to the granold surface of FIG 8b;

FIG 8d is a threshold/radius location of the maximum value of the granold surface of FIG 8b; and--

A replacement specification for originally submitted specification on pages 1-15 and originally submitted claims (1-12) on pages 16-18, is provided with newly submitted pages 1-16 of specification plus newly submitted claims identical to those originally submitted (1-12) on pages 17-19 plus an abstract on a separate sheet on page 20. The above amendment is incorporated into the substitute specification, and is attached to this amendment response. No new matter is entered via the above amendment to the specification.

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### ***In the Claims***

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No changes are made to the originally submitted claims.

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### ***Status***

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The application presently contains originally submitted claims 1-12. Support for the amendments to the specification may be found as follows:

<i>Figure #</i>	<i>Support</i>
4	Page 7, lines 19-20 of the original specification.
4a	Page 7, line 20 of the original specification.
4b	Page 7, line 21 of the original specification.
4c	Page 5, lines 22-23 of the original specification.

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4d	Page 5, lines 24-25 of the original specification.
4e	Page 5, line 27 of the original specification.
4f	Page 5, lines 28-29 of the original specification.
4g	Page 5, lines 28-29 of the original specification.
6a	Page 8, lines 19-21 of the original specification.
6b	Page 8, lines 25-27 of the original specification.
6c	Page 8, line 28 of the original specification.
6d	Page 8, lines 29-30 of the original specification.
7a	Page 8, lines 19-21 of the original specification.
7b	Page 8, lines 25-27 of the original specification.
7c	Page 8, line 28 of the original specification.
7d	Page 8, lines 29-30 of the original specification.
8a	Page 8, lines 19-21 of the original specification.
8b	Page 8, lines 25-27 of the original specification.
8c	Page 8, line 28 of the original specification.
8d	Page 8, lines 29-30 of the original specification.

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No new matter was entered by the implementation of the above amendments to the specification.

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### ***Request for Reconsideration***

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Applicant respectfully submits that this response addresses all of the issues raised in the notice. Applicant believes that independent claims 1 and 11 clearly define over the prior art and that the distinctions between the present invention and the prior art would not have been obvious to one of ordinary skill in the art. Additionally, claims 2-10 depend from and contain all of the limitations of claim 1; and claim 12 depends from and contains all of the limitations of claim 11 and by the limitations contained in the base independent claims, are felt to be patentable over the prior art by virtue of their dependency from independent claims which distinguish over the prior art of record. All

pending claims are thought to be allowable and reconsideration by the Examiner is respectfully requested.

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***Fee Determination Record***

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No fee is believed to be due the Office via this Amendment response. However, the Commissioner is hereby authorized to charge any additional fees which might be required or credit any overpayment to effect the filing of this document to Account No. 50-0983.

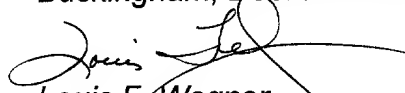
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***Conclusion***

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If the examiner believes that a telephonic conversation would facilitate a resolution of any and/or all of the outstanding issues pending in this application, then such a call is cordially invited at the convenience of the examiner.

Respectfully Submitted,  
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